

# Allion Wireless Equipment Specifications

AWE Spec. Sheet	Spec.	Note
Solution Composition	APUT Box	Box Size and I/O Type Customizable
	STA Box	
	Switch Box	
	Alien/Mesh Box 1	
	Mesh Box 2	
Support Frequency Range	Wi-Fi 2.4GHz / 5GHz/ 6GHz Band	
Shipping Dimension	1.5(W)x0.9(D)x1.65(H) m	
Operation Space	2.5(W)x1.95(D)x2.22(H) m	
IO Filter(APUT Box)	SMA x 2 Wave Guide(Inner Diameter:4.5cm) x 1	
Power Filter(APUT Box)	x 1 250VAC 500VDC 15A x 1	
Overall Pathloss	Meet TR398 i3 Pathloss Requirement	
Turntable Angle Resolution	1 Degree	
Turntable Max. Loading Weight	< 10kg	
Turntable Rotation Speed	1 rpm	
Turntable Control Tool	Allion Development	
Attenuation Range and Resolution	0dB ~ 95dB, 0.25dB/ Step	
Attenuator Support Frequency Range	Wi-Fi 2.4GHz / 5GHz/ 6GHz Band	
Attenuator Ports	8	
Antenna Quantity in APUT Box	8 Set (Test Antenna) +2 (Sniffer x1, Interference Antenna x1)	
<b>STA Capability</b>		
Antenna Quantity	2x2	
Support Frequency Band	2.4/5/6GHz	
Support WiFi Standard	802.11a/b/g/n/ac/ax/be	
STA Quantity	32	
<b>Allion Wireless Equipment Solution Target Scenario</b>		
TR398 i3 (including Mesh)		
<b>APUT Box</b>	<b>Spec.</b>	<b>Note</b>
Support Frequency Range	Wi-Fi 2.4GHz / 5GHz/ 6GHz Band	Box Size and I/O Type Customizable
Box Isolation	~100dB @ 2.4/5GHz, ~ 95dB @ 6GHz	
Box Dimension	1.2(W)x0.9(D)x0.65(H) m	
Max. APUT Size	0.45(W)x0.45(D)x0.45(H) m	
I/O Filter Type	SMA x 2 Wave Guide(Inner Diameter:4.5cm) x 1	
Power Filter	x 1 250VAC 500VDC 15A x 1	
<b>STA Box</b>	<b>Spec.</b>	<b>Note</b>
Support Frequency Range	Wi-Fi 2.4GHz / 5GHz/ 6GHz Band	Box Size and I/O Type Customizable
Box Isolation	~100dB @ 2.4/5GHz, ~ 95dB @ 6GHz	
Box Dimension	1.5(W)x0.84(D)x0.8(H) m	
Power Filter	x 2 250VAC 500VDC 32A x 2	
<b>Alien/Mesh Box 1</b>	<b>Spec.</b>	<b>Note</b>
Support Frequency Range	Wi-Fi 2.4GHz / 5GHz/ 6GHz Band	Box Size and I/O Type Customizable
Box Isolation	~100dB @ 2.4/5GHz, ~ 95dB @ 6GHz	
Box Dimension	0.84(W)x0.57(D)x0.59(H) m	
Max. Alien/ Mesh AP Size	0.5(W)x0.35(D)x0.45(H) m	
IO Filter	SMA x 2	
Power Filter	x 1 250VAC 500VDC 15A x 1	
<b>Mesh Box 2</b>	<b>Spec.</b>	<b>Note</b>
Support Frequency Range	WiFi 2.4GHz / 5GHz/ 6GHz Band	Box Size and I/O Type Customizable
Box Isolation	~100dB @ 2.4/5GHz, ~ 95dB @ 6GHz	
Box Dimension	0.84(W)x0.57(D)x0.59(H) m	
Max. Mesh AP Size	0.5(W)x0.35(D)x0.45(H) m	
IO Filter	SMA x 2	
Power Filter	x 1 250VAC 500VDC 15A x 1	

## Global Facilities

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